

PATENT ABSTRACTS OF JAPAN

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(21)Application number : 07-013973 (71)Applicant : MATSUSHITA ELECTRIC WORKS LTD
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(54) RADIO COMMUNICATION SYSTEM

(57)Abstract:

PURPOSE: To uniformize a reception characteristic in a radio base station without giving effect onto carrier sensing.

CONSTITUTION: A radio base station uses a reception section 13 to receive a radio signal from a radio terminal equipment and a reception power measurement section 14 measures reception power to discriminate a distance of the radio terminal equipment, a data generating circuit 15 generates data including terminal equipment distance information with the radio terminal equipment and a transmission section 16 sends the data. The radio terminal equipment uses a reception section 13 to receive data from the radio base station and to separate the terminal equipment distance information and usual data. A distance recognition section 24 recognizes a distance between the radio terminal equipment and the radio base station based on the terminal equipment distance information, a packet length setting section 25 sets a packet length to data based on the recognized terminal equipment distance information and a transmission section 27 sends the data so that data consisting of a shorter packet length than that for a radio terminal equipment closer to the radio base station are sent to the radio terminal equipment located remoter from the radio base station.

